

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:	§	
Volker Krueger	§	Docket No: 564-12835-USCQ
	§	
Serial No: 10/758,309	§	Art Unit: 3672
	§	
Filed: January 15, 2004	§	Examiner: Thomas S. Bomar
	§	
Title: Self-Controlled Directional Drilling Systems and Methods	§	Confirmation No.: 5364
	§	

**RESPONSE TO THE NOTICE OF NON-COMPLIANT AMENDMENT MAILED  
DECEMBER 21, 2006 AND RESPONSE TO NON-FINAL OFFICE ACTION  
MAILED AUGUST 1, 2006**

This paper is a response to the Notice of Non-compliant Amendment mailed December 21, 2006 and the Non-Final Office Action mailed August 1, 2006. No new matter has been added by amendment. Reconsideration of the application as amended below is respectfully requested.

Amendments to the Claims begin on page 2.

Remarks begin on page 7.

The Conclusion begins on page 11.